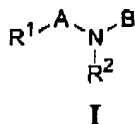


USSN 10/824,917

CT-2768 NP

Amendments to the Claims

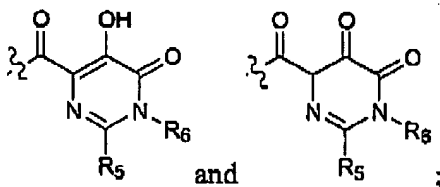
1. (currently amended) A compound of Formula I, or a pharmaceutically acceptable salt or solvate thereof,



wherein

A is methylene or 1,1-disubstituted ethylene;

B is selected from the group consisting of



R^1 is phenyl, pyridinyl or dioxolanylphenyl and is unsubstituted or substituted with 1 to 3 R^3 ;

R^2 is hydrogen, methyl, or OR^4 ;

R^3 is independently selected from halo, C_{1-6} alkyl, C_{1-2} perfluoroalkyl, C_{1-6} alkoxy, C_{1-6} alkylthioxy, and cyano;

R^4 is hydrogen or C_{1-6} alkyl;

R^5 is Ar^1 or Ar^2 ;

R^6 is C_{1-6} alkyl;

Ar^1 is phenyl substituted with 1-2 substituents selected from halo, C_{1-6} alkoxy, CO_2R^4 , $N(R^4)(SO_2C_{1-6}alkyl)$, $SO_2N(C_{1-6}alkyl)_2$, and dioxothiazinanyl;

Ar^2 is a heteroaryl moiety selected from the group consisting of pyridinyl, pyrrolyl, furanyl, and imidazopyrimidinyl and is unsubstituted or substituted with 1-2 substituents selected from halo, C_{1-6} alkyl, C_{1-6} alkoxy, CO_2R^4 , $N(R^4)(SO_2C_{1-6}alkyl)$, $SO_2N(C_{1-6}alkyl)_2$, $N(R^7)_2$, and dioxothiazinanyl; and

USSN 10/824,917

CT-2768 NP

~~R⁷ is hydrogen, C₁₋₆alkyl, C₁₋₆alkyl OR⁴.~~

2. (original) A compound of claim 1 wherein R¹ is phenyl unsubstituted or substituted with 1 to 3 R³.
3. (original) A compound of claim 2 where R¹ is phenyl substituted with 1-2 R³ selected from the group consisting of chloro, fluoro, methyl, and trifluoromethyl.
4. (original) A compound of claim 1 where R² is hydrogen.
5. (original) A compound of claim 1 where R⁵ is Ar¹.
6. (cancelled).
7. (currently amended) A compound of claim 5 selected from the group consisting of

~~N-(4-fluorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-difluorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-chlorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-methylbenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

USSN 10/824,917

CT-2768 NP

~~N-(2,4-difluorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(2-methylbenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluoro-2-(trifluoromethyl)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-(trifluoromethyl)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(benzo[d][1,3]dioxol-5-ylmethyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-N-(1-phenylethyl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(2-(methylthio)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-fluoro-4-(trifluoromethyl)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,5-bis(trifluoromethyl)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-N-(pyridin-2-ylmethyl)-1,6-dihydropyrimidine-4-carboxamide;~~

USSN 10/824,917

CT-2768 NP

~~N-(3,4-dichlorobenzyl)-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(4-fluoro-2-(methylsulfonyl)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(4-fluoro-2-(methylsulfonyl)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(4-fluoro-2-(methylsulfonyl)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(2-fluoro-6-(N-methylmethan-3-ylsulfonamido)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(2-fluoro-6-(N-methylmethan-3-ylsulfonamido)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(2-fluoro-6-(N-methylmethan-3-ylsulfonamido)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

USSN 10/824,917

CT-2768 NP

~~N-(4-fluorobenzyl)-2-(2,6-dimethoxyphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(2,6-dimethoxyphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(2,6-dimethoxyphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(2,6-dimethoxyphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-1-methyl-2-(2-(1,1-Dioxo-1 λ ⁶-[1,2]thiazinan-2-yl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-1-methyl-2-(2-(1,1-Dioxo-1 λ ⁶-[1,2]thiazinan-2-yl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-1-methyl-2-(2-(1,1-Dioxo-1 λ ⁶-[1,2]thiazinan-2-yl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide; and~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-2-(2-(1,1-Dioxo-1 λ ⁶-[1,2]thiazinan-2-yl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-2-(2-morpholinophenyl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(2-dimethylsulfamoylphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

USSN 10/824,917

CT-2768 NP

~~N-(3,4-dichlorobenzyl)-2-(2-dimethylsulfamoylphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(2-dimethylsulfamoylphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(2-dimethylsulfamoylphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-2-(4-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-2-(4-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-2-(4-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~2-(4-(((4-fluorobenzyl)carbamoyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidin-2-yl)benzoic acid;~~

USSN 10/824,917

CT-2768 NP

~~2-(4-((3,4-dichlorobenzyl)carbamoyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidin-2-yl)benzoic acid; and~~

~~2-(4-methylaminicarbonyl-phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydro-pyrimidine-4-carboxylic acid-4-fluorobenzylamide; and~~

or a pharmaceutically acceptable salt or solvate thereof.

8. (original) A compound of claim 1 where R^5 is Ar^2 .

9. (cancelled).

10. (currently amended) A compound of claim 8 selected from the group consisting of

~~N-(4-chlorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-difluorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-methylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

USSN 10/824,917

CT-2768 NP

~~N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

N-(4-fluorobenzyl)-5-hydroxy-2-(3-[2-(1,1-Dioxo-1 λ^6 -[1,2]thiazinan-2-yl)-pyridin-2-yl]-)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;

N-(3,4-dichlorobenzyl)-5-hydroxy-2-(3-[2-(1,1-Dioxo-1 λ^6 -[1,2]thiazinan-2-yl)-pyridin-2-yl]-)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;

N-(3,4-dimethylbenzyl)-5-hydroxy-2-(3-[2-(1,1-Dioxo-1 λ^6 -[1,2]thiazinan-2-yl)-pyridin-2-yl]-)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide; and

N-(3-chloro-4-methylbenzyl)-5-hydroxy-2-(3-[2-(1,1-Dioxo-1 λ^6 -[1,2]thiazinan-2-yl)-pyridin-2-yl]-)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;

~~N-(4-fluorobenzyl)-5-hydroxy-2-(6-methoxypyridin-3-yl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-2-(6-methoxypyridin-3-yl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-2-(6-methoxypyridin-3-yl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-2-(3-methoxypyridin-2-yl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(3-(dimethylamino)pyridin-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(3-(dimethylamino)pyridin-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

USSN 10/824,917

CT-2768 NP

~~N-(3,4-dimethylbenzyl)-2-(3-(dimethylamino)pyridin-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(3-(dimethylamino)pyridin-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(furan-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(furan-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(furan-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(furan-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-3-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-3-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-3-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-3-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

USSN 10/824,917

CT-2768 NP

~~N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-4-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-4-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-4-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-4-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(1,5-dimethyl-1H-pyrrol-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(1,5-dimethyl-1H-pyrrol-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(1,5-dimethyl-1H-pyrrol-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(1,5-dimethyl-1H-pyrrol-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(2,4-dimethylimidazo[1,5-a]pyrimidin-8-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(2,4-dimethylimidazo[1,5-a]pyrimidin-8-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

USSN 10/824,917

CT-2768 NP

~~N-(3,4-methylbenzyl)-2-(2,4-dimethylimidazo[1,5-a]pyrimidin-8-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide; and~~

~~N-(3-chloro-4-methylbenzyl)-2-(2,4-dimethylimidazo[1,5-a]pyrimidin-8-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

or a pharmaceutically acceptable salt or solvate thereof.

11. (original) A compound of claim 1 where R⁶ is methyl.
12. (original) A composition useful for treating HIV infections comprising a therapeutic amount of a compound of claim 1, or a salt or solvate thereof, and a pharmaceutically acceptable carrier.
13. (original) A method of inhibiting HIV integrase which comprises administering to a patient a therapeutically effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt or solvate thereof.
14. (original) A method of treating HIV infection in a patient comprising the administration of a therapeutically effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt or solvate thereof.
15. (currently amended) ~~A~~ The method of treating HIV infection in a patient ~~Claim 1 further~~ comprising administering a therapeutically effective amount of a compound of ~~claim~~ Claim 1 with at least one other agent for treating HIV selected from the group consisting of HIV reverse transcriptase inhibitors, non-nucleoside HIV reverse transcriptase inhibitors, HIV protease inhibitors, HIV fusion inhibitors, HIV attachment inhibitors, CCR5 inhibitors, CXCR4 inhibitors, HIV budding or maturation inhibitors, and HIV integrase inhibitors.

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